



Water-Data Report 2008

01409000 CEDAR CREEK AT LANOKA HARBOR, NJ

CEDAR CREEK BASIN

LOCATION.--Lat 39°52'03", long 74°10'09" referenced to North American Datum of 1983, Berkeley Township, Ocean County, NJ, Hydrologic Unit 02040301, on right bank 50 ft upstream from bridge on U.S. Highway 9, at village of Lanoka Harbor, 2.0 mi upstream from mouth, and 6.0 mi south of Toms River.

DRAINAGE AREA.--53.3 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--July 1932 to September 1958, October 1970 to September 1971, October 2003 to current year. Operated as a crest-stage partial-record station 1962, also as a tidal crest-gage station 1979-85, 1993.

GAGE.--Water-stage recorder, crest-stage gage, tidal crest-stage gage, and concrete control. Auxiliary tide gage located downstream of control on right upstream wingwall of bridge on U.S. Route 9 and is used to adjust record for tide affect. Datum of gage is 1.21 ft below NAVD of 1988.

REMARKS.--Records fair. Flow occasionally regulated by gate operations at lakes and cranberry bogs upstream. Satellite gage-height telemetry at station. Several measurements of water temperature were made during the year.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	54	67	63	124	109	98	93	86	78	61	51	39
2	54	65	61	111	175	92	102	82	78	58	53	39
3	53	59	89	99	155	92	99	80	73	56	62	41
4	53	62	82	92	137	90	113	79	85	55	59	40
5	52	61	75	88	124	100	120	78	93	56	55	40
6	52	65	67	85	116	100	112	76	91	60	53	79
7	57	67	65	84	115	104	108	77	84	60	51	114
8	63	64	64	90	107	228	106	98	77	65	50	95
9	57	64	70	87	100	248	101	107	72	65	47	78
10	70	65	69	82	98	221	98	121	69	62	48	68
11	75	63	65	89	90	207	96	110	66	57	62	61
12	72	63	69	99	87	190	101	103	63	55	63	57
13	64	62	74	97	140	166	112	124	63	53	57	60
14	60	61	79	121	207	121	101	121	62	53	53	58
15	57	63	75	119	175	114	92	104	64	53	63	55
16	56	63	100	108	149	122	89	113	76	52	67	52
17	56	60	117	102	132	117	88	150	73	50	59	51
18	56	60	101	128	127	110	87	135	68	49	55	49
19	78	63	91	122	120	107	84	120	67	49	52	49
20	104	79	85	111	110	126	82	113	64	51	48	48
21	87	78	78	100	103	121	82	133	62	53	46	48
22	75	69	75	94	102	112	82	122	61	51	45	46
23	68	65	100	92	111	107	81	107	61	49	44	46
24	66	62	151	88	108	104	80	96	60	67	44	46
25	80	60	129	84	105	99	78	91	59	69	44	44
26	80	67	111	82	105	98	78	86	58	59	43	177
27	102	73	101	82	111	97	80	83	59	56	42	205
28	100	68	94	79	105	98	82	79	67	63	41	181
29	84	67	115	80	98	95	91	77	63	62	38	120
30	75	64	116	84	---	94	91	74	65	57	42	93
31	69	---	136	82	---	94	---	74	---	55	40	---
Total	2,129	1,949	2,767	2,985	3,521	3,872	2,809	3,099	2,081	1,761	1,577	2,179
Mean	68.7	65.0	89.3	96.3	121	125	93.6	100	69.4	56.8	50.9	72.6
Max	104	79	151	128	207	248	120	150	93	69	67	205
Min	52	59	61	79	87	90	78	74	58	49	38	39
Cfsm	1.29	1.22	1.67	1.81	2.28	2.34	1.76	1.88	1.30	1.07	0.95	1.36
In.	1.49	1.36	1.93	2.08	2.46	2.70	1.96	2.16	1.45	1.23	1.10	1.52

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	84.4	102	101	116	122	134	131	118	98.7	87.7	95.0	89.1
Max	169	161	159	170	220	227	206	231	182	223	267	193
(WY)	(1939)	(2007)	(1945)	(2006)	(1939)	(1958)	(1958)	(1958)	(1958)	(1958)	(1958)	(1938)
Min	49.2	64.9	57.8	61.6	76.0	99.5	93.3	73.7	60.0	44.7	41.2	40.7
(WY)	(1958)	(1935)	(1956)	(1942)	(1934)	(1954)	(1947)	(1955)	(1957)	(1957)	(1957)	(1951)

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SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1932 - 2008	
Annual total	38,343		30,729			
Annual mean	105		84.0		107	
Highest annual mean					169	1958
Lowest annual mean					77.1	1957
Highest daily mean	299	Apr 16	248	Mar 9	996	Oct 28, 1943
Lowest daily mean	52	Oct 5	38	Aug 29	13	Jan 5, 1956
Annual seven-day minimum	53	Sep 30	40	Aug 29	29	Aug 25, 1950
Maximum peak flow			262	Mar 8	1,050	Oct 28, 1943
Maximum peak stage			^a 3.54	Dec 16	^b 6.50	Feb 16, 1936
Annual runoff (cfs)	1.97		1.58		2.00	
Annual runoff (inches)	26.76		21.45		27.19	
10 percent exceeds	165		121		170	
50 percent exceeds	97		78		95	
90 percent exceeds	60		51		58	

^a Backwater from tide.

^b Backwater from ice and tide.

